

## ATP Positive Control

### GENERAL DESCRIPTION

The LIGHTNING MVP ICON™ ATP Positive Control provides a sample which produces a positive ATP result when assayed with the LIGHTNING MVP ICON or LIGHTNING MVP® system. It is recommended that ATP positive controls be run every other day of use and incorporated into an overall Quality Control program which monitors and tracks the MVP ICON or MVP system results over an extended period of time.

Part No. 64001-25 (25 tests)

### KIT COMPONENTS

Twenty-five (25) sealed glass vials containing approximately  $1 \times 10^{13}$  moles of lyophilized Adenosine triphosphate (ATP).

### TEST PROCEDURE

#### A. Surface Sampling Device

- (a) Carefully remove the cap from the positive control vial. Use within 5 minutes of opening.
- (b) Thoroughly swab the pellet at the bottom of the positive control vial using a circular motion and constant pressure. All dried salts must be collected on the swab.
- (c) Reinsert the swab into the sampling device test tube. After swabbing, the unactivated device is stable for 60 minutes.
- (d) Activate the sampling device and immediately insert into the MVP ICON or MVP instrument and read the result.
- (e) For the MVP ICON, use the designated "Positive Control" and "Negative Control" test points in the device verification menu to record results. For the MVP, it is recommended that ATP test point #999 be assigned for Positive Control and #998 for Negative Control readings.

#### B. Liquid Sampling Device

The average of several Zone readings found with source water indicates the baseline reading.

When testing rinse water, acceptable ATP levels are dependent upon the background levels of ATP contained in the facility's incoming water supply. This may be expected to vary over time so frequent baseline determinations are encouraged. Several controls should be run prior to testing liquid samples to establish a baseline.

- (a) Carefully remove the cap from the positive control vial. Use within 5 minutes of opening.
- (b) Reconstitute ATP positive control with 80 µL tap water.
- (c) Let stand for one minute. Swirl gently at least 5 times to mix.

- (d) Thoroughly "swab" vial until contents are entirely absorbed by the LIGHTNING MVP ICON Liquid Sampling Device.
- (e) Reinsert the swab into the sampling device test tube. After swabbing, the unactivated device is stable for 60 min.
- (f) Activate the sampling device and immediately insert into the MVP ICON or MVP and read the result.

### INTERPRETING RESULTS

#### A. Positive Control

The ATP Positive Control should yield a result from 3.1 to 4.3 Zones. If results are:

- (a) Greater than 4.3, it may indicate contamination of either the sampling device or the control or the source water for a liquid device. However, normal variability may account for the high value. Retest in duplicate and average the two results. For liquid sampling devices, if the retests remain high, then test the source water. A reading of 2.5 or greater indicates water as the source of the discrepancy and higher positive control values should be expected.
- (b) Between 2.6 to 3.0 Zones, more thorough swabbing of the vial may be necessary or the instrument may require calibration. Retest in duplicate and average the two results.
- (c) Results lower than 2.6 Zones with an activated device may indicate a problem with the instrument or the device. If less than one minute has elapsed since the low result, reinsert the sampling device in the MVP ICON or MVP and reread. If more than one minute has elapsed since the low result, first check the calibration of the instrument then repeat the test with a new vial and new sampling device. If results fall out of range with further testing, call BioControl Technical Support at 800.245.0113.

#### B. Negative Control

For surface sampling devices, a negative control is an unused yet activated LIGHTNING MVP ICON Surface Sampling Device read in the MVP ICON or MVP instrument. Negative control results should read between 1.0 to 2.5 Zones. Readings above 2.5 Zones may indicate contamination of the sampling chamber or sampling device. Contact BioControl Technical Support for more information.

### STORAGE

ATP positive control vials MUST be stored in the closed foil pouch refrigerated at 2-8 °C (36-46 °F).

## WARRANTY

BioControl Systems, Inc. (BCS) warrants this product to be free from defects in materials and workmanship, when stored under labeled conditions and used as intended until the expiration date stated on the package. BCS agrees during the applicable warranty period to replace all defective products after return to BCS. BCS shall not have obligation under this Limited Warranty to make replacements which result, in whole or in part, from negligence of the Buyer, or from improper use of the products, or use of the product in a manner for which it was not indicated. Buyer shall notify BCS of any products which it believes to be defective during the warranty period. At BCS option, such products shall be returned to BCS, transportation and insurance prepaid. BCS shall replace any such product found to be defective, at no charge. Should BCS examination not disclose any defect covered by the foregoing warranty, BCS shall so advise Buyers and dispose of the product in accordance with Buyer's instructions.

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